Rojone

EziTraH™

Personal Vehicle Tracking System

PC Install + User Manual

PC Install & Use for
Global Positioning System Personal Vehicle Monitor
Model # EZIPVM-2003

Patent Australia # 40291
United State # 09/847492

Manual Issue : August 2003-08-25

EziTrak ™

Vehicle Monitor, Black Box Emergency Alarm & Tracking System

Technical Manual (Australian / European Vehicle Monitor)
GSM Cellular Version, English Vocabulary
Software Version 3.6 - October 1st, 2003
Install Manual Release R1.1

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Disclaimer

WARRANTY

1.0 GENERAL INFORMATION

The EziTraK™ is a low cost high performance Vehicle Security System which provides you with instant direct communications with your vehicle at all times allowing you to track it and take control of it using any wireline touch tone phone, mobile phone or Personal Computer from anywhere in the world.

The EziTraK™ allows you to locate and control your vehicle using either

1. A standard Voice call
2. SMS messaging commands
3. ON-Line via a PC, Modem and EziTraK™ PC Application Software

The EziTraK™ continually monitors the following Functions

Emergency PANIC Button
Intruder Detection Input
Ignition Detection Input
Main Power Input
Tow Away Detection
Overspeed Detection
Black Box Recorder

The EziTraK™ talks to you in a friendly female voice in your own language.
The Voice menu allows you to

Find out your Vehicle's GPS Co-ordinates, Position Speed and Heading
Listen to a Status Report
Control the Alarm System
Disable the Vehicle
Set your Home Base Position
Set your Intruder and Emergency Phone Numbers
Set your PIN Number

The EziTraK™ can automatically dialout up to 4 Phone Numbers.
2 Voice Call Numbers and 2 SMS Numbers

All EziTraK™ Functions and Phone Numbers can be easily Setup using a simple SMS Messages

Other Features Include

PIN Number protection
Automatic Alarm System Arming
External Sealed Lead Acid Backup Battery Input
Voice, SMS and ON-Line control
Silent Dial Out Alarm
Internal BLACK BOX Recorder
Caller ID Alarm Control
Miles, Kilometres or Nautical Miles selection
ON-Line Moving Map Display capable

The EziTraK™ requires a GSM SIM Card, not supplied, with Voice and SMS Phone Number and optional Data Call Number if the user requires access via a PC and Modem.

The EziTraK™ is a Personal Monitoring System so there are NO Third Party fees to pay unlike many Back To Base Systems which require you to pay ongoing fees for many years costing typically many thousands of dollars. Your EziTraK™ belongs to you.

Your EziTraK™ will operate in any country with compatible GSM Network and SIM Cards.

Full functionality is best achieved in areas with both GSM Network Service and GPS satellite broadcast signal. Wide open outdoor areas are ideal for the GPS satellite receiver. GPS receivers can suffer interference from transmitting devices which may cause dropouts in GPS coverage but this is generally uncommon and more likely in large commercial centres. The EziTraK™ will continue operating without either service necessarily available. If the GPS is unavailable the EziTraK™ will remember the last position with GPS service available and provide you with that information.

The purpose of this manual is to provide you with the most important information to allow the best operation and performance for your EziTraK™. Please take the time to thoroughly read all the information provided.

It is Important for you to also become familiar with all operational aspects of the monitoring system.

The specifications presented herein should be used for guidance only and are subject to change without notice.

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WARNING: TO REDUCE THE RISK OF FIRE OR DAMAGE TO THE EQUIPMENT, DO NOT EXPOSE THIS DEVICE TO RAIN OR MOISTURE.

SYSTEM REQUIREMENTS

Minimum Configuration

When using Virtual Serial Port or Physical Port the minimum operating system required is
Windows XP, Windows Me, Windows 2000

When using Physical Port ONLY the minimum operating system required is
Windows 98, Windows 95

100 MHz Pentium

10 MB RAM

100 MB Hard Disk

Data MODEM, 9600 BPS, No Parity, No Handshake, 1 Start Bit and a Stop Bit.
Direct Modem Connection to Serial COM Port.

Physical COM Port Optional for Windows XP, Windows Me, Windows 2000.

Display 1024 x 768, 256 Bit color

Keyboard

Mouse

OPTIONAL GPS Electronic Mapping Software.
Mapping Software is NOT included with the kit. If you want to set up a moving map tracking system then you will require a general purpose GPS Mapping Program which includes electronic maps for your area or city where the Unit is to be tracked.

This software should be capable of displaying current position at a minimum update rate of once per second using NMEA 2.0 RMC Protocol strings.

NOTE : No GPS receiver is necessary. The Application software is used to receive GPS data from your EziTraK™ unit over the GSM network. This is done by sending your EziTraK™ the “GPS ONLINE” Command. The ONLINE Application automatically receives the RMC Data from your EziTraK™ unit and passes it to your Mapping Software. If your mapping software is connected to the same Virtual Serial Port or Physical Port as the ONLINE Application “Moving Map COM Port”, then your Mapping Software should display your EziTraK™’s current position.

Your PC should also be capable of installing and running your Mapping Application.

VSP, VIRTUAL SERIAL PORT

Your "EziTraK™ ONLINE Application can drive both a Physical COM Port and a Virtual Serial Port. A Physical COM Port is typically connected to a Modem using a Standard Serial Cable or to another Com Port or computer using a Laplink Cable.

A Virtual Serial Port allows an internal electronic connection in the software making it possible to send and receive serial data to other programs that use serial data input via a COM Port.

GPS Mapping Software typically reads data input from a GPS Receiver connected to its Serial COM Port. This makes it ideal as a Map Display System which can be sent equivalent GPS data via a Virtual Serial Port.

The Mapping Software and EziTraK™ Application are both RUN independantly of each other.
To Connect the 2 applications together first OPEN a Virtual Serial Port in the EziTraK™ Application.
Then access the Mapping Programs Serial Port Menu and select the same port as the Virtual serial Port.

The Mapping Program should automatically begin receiving data when connected to your EziTraK™ unit via GSM Modem. Once connected Press the "GPS ONLINE" Button to turn ON the GPS.

PSP, PHYSICAL SERIAL PORT

You may also interconnect 2 Serial Ports with a physical LapLink cable. The EziTraK™ Software sends GPS data between the 2 Ports and the Mapping Software is connected to one of them.

INSTALLING THE SOFTWARE

To Install "EziTraK™ ONLINE Application with VSP

1. Start the Windows operating system
2. Close ALL open programs and background tasks.
3. Insert the Application CD into CD-ROM/DVD-ROM Drive.

The CD should begin the Auto Installation procedure.

If NOT then manually access the CD and RUN (Double Click) the SETUP.EXE file inside the INSTALL directory.

Your Computer should automatically begin 2 Program Installations.

The First will be the Virtual Serial Port followed by a PC RESTART.

After RESTART the Second Install will begin for the EziTraK™ Application, after which Installation is complete.

3.0 Running EziTraK™ ONLINE Application

Following a Successful Installation, RUN the EziTraK™ ONLINE Application from your Task Bar. The application should begin with a series of jpeg pictures. Just Click on the picture to Cancel it.

3.1 Picture Gallery

The following is the StartUP Window …

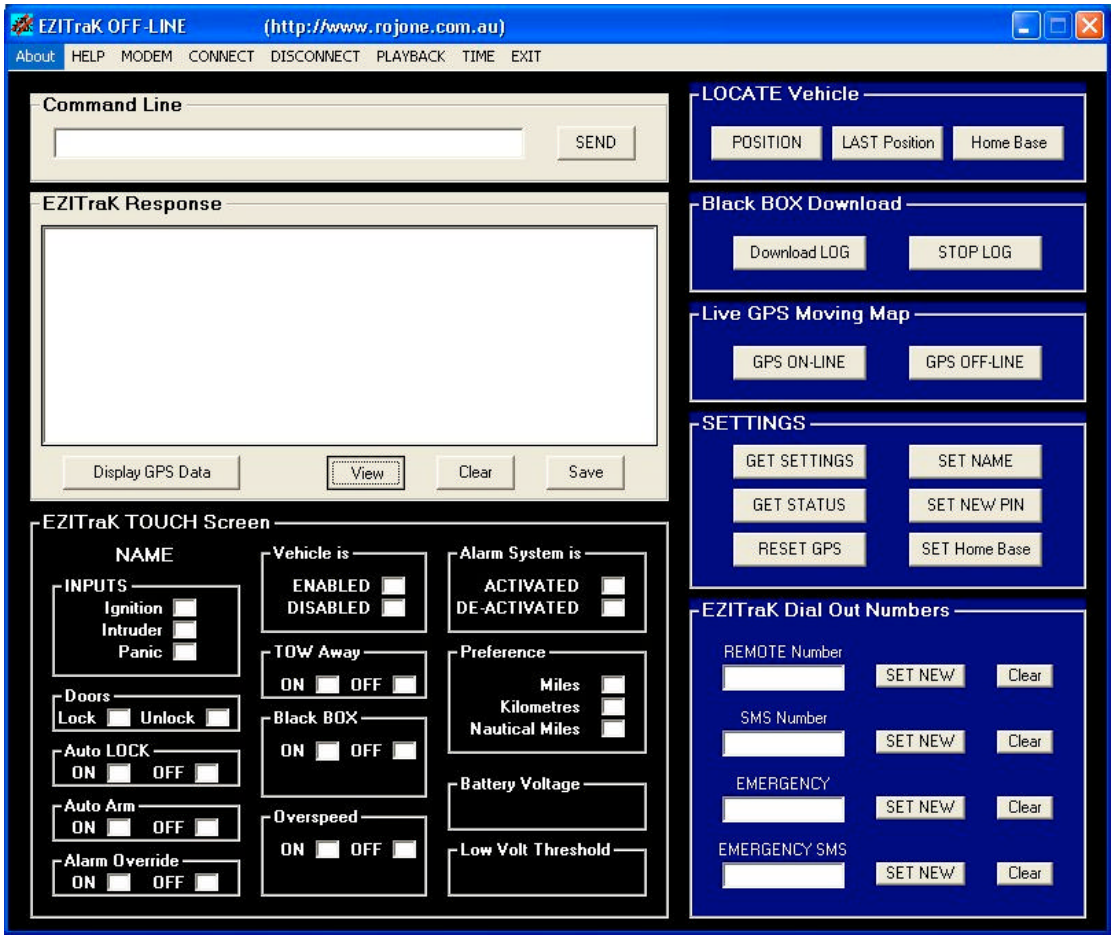
Place any jpeg pictures in the "PHOTOS" directory of your EziTraK™ Application software and they will be displayed in the Automatic Photo Gallery.

Pressing the "STOP" Button in the bottom right hand corner of the picture will stop and hold the current displayed picture.

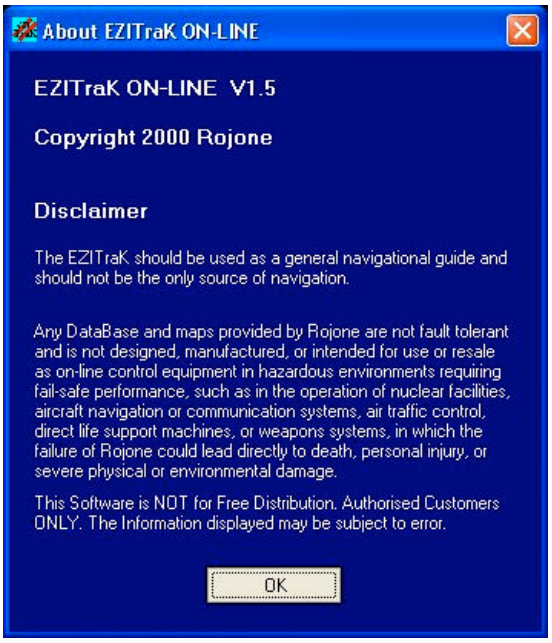
You can restart the Photo Gallery at any time using the About Menu in the Main Application Window.

After the Photo Gallery is cancelled the Main Application Window can be seen.

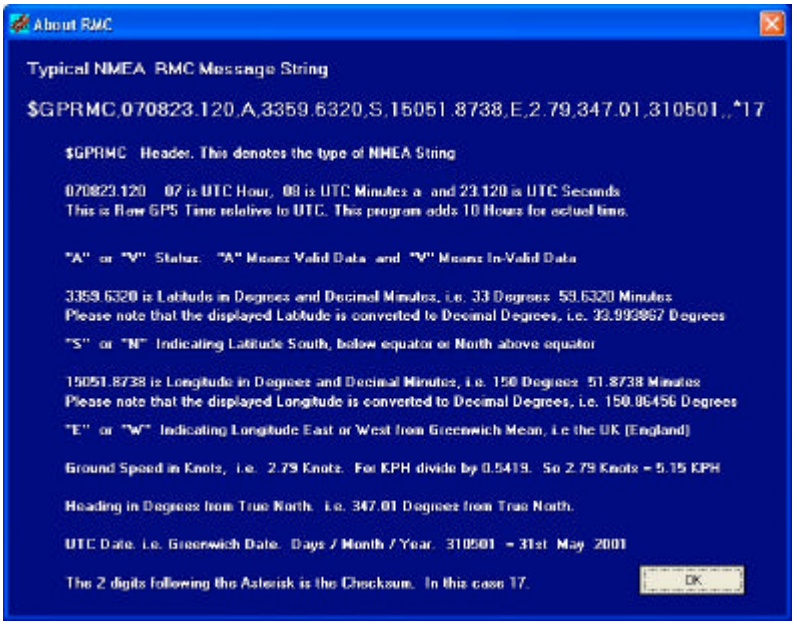
Main Application WINDOW



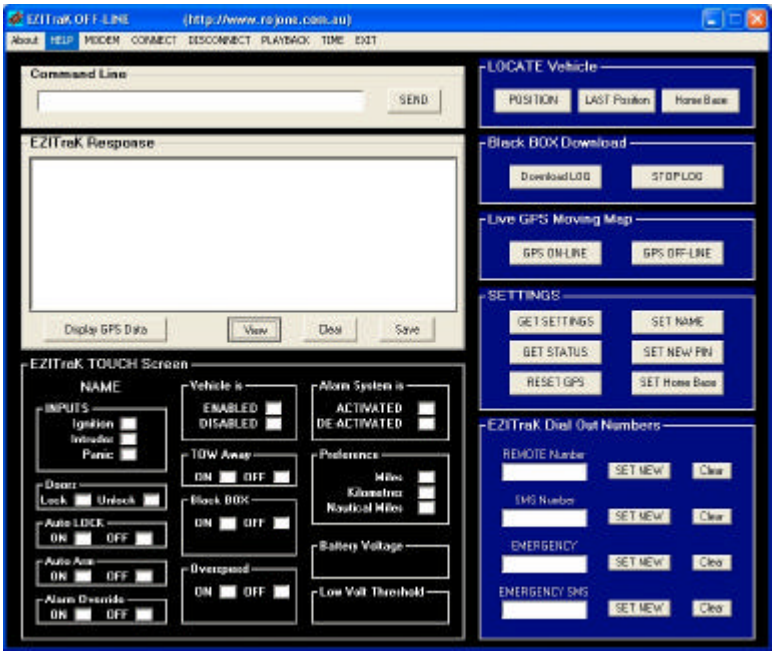
About ONLINE


About EZITraK ON-LINE
EZITraK ON-LINE V1.5
Copyright 2000 Rojone
Disclaimer
The EZITraK should be used as a general navigational guide and should not be the only source of navigation.
Any DataBase and maps provided by Rojone are not fault tolerant and is not designed, manufactured, or intended for use or resale as on-line control equipment in hazardous environments requiring fail-safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, direct life support machines, or weapons systems, in which the failure of Rojone could lead directly to death, personal injury, or severe physical or environmental damage.
This Software is NOT for Free Distribution. Authorised Customers ONLY. The Information displayed may be subject to error.
OK

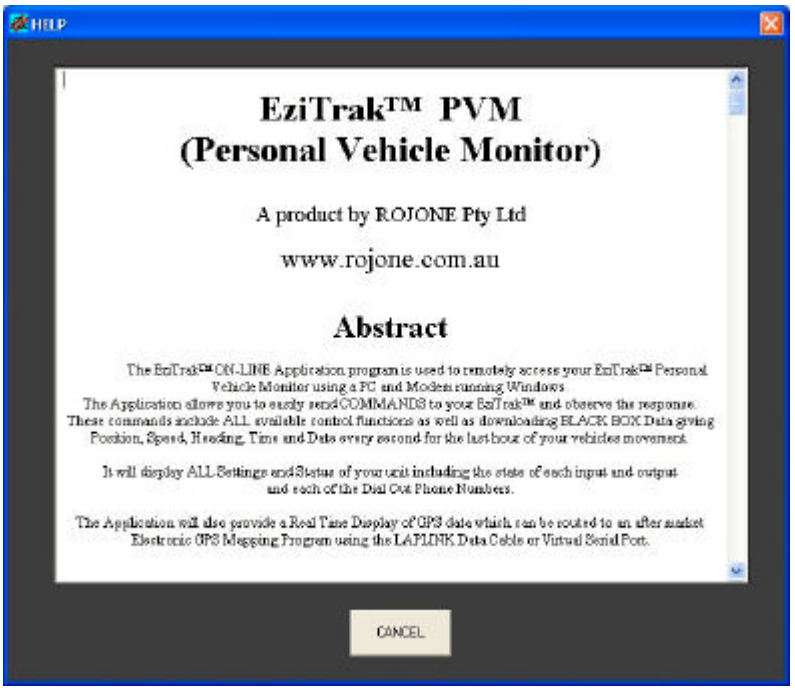
About RMC String


About RMC
Typical NMEA RMC Message String
$GPRMC,070823.120,A,3359.6320,S,15051.8738,E,2.79,347.01,310501,,*17
$GPRMC Header. This denotes the type of NMEA String
070823.120 07 is UTC Hour, 08 is UTC Minutes a and 23.120 is UTC Seconds
This is Raw GPS Time relative to UTC. This program adds 10 Hours for actual time.
"A" or "V" Status. "A" Means Valid Data and "V" Means In-Valid Data
3359.6320 is Latitude in Degrees and Decimal Minutes, i.e. 33 Degrees 59.6320 Minutes
Please note that the displayed Latitude is converted to Decimal Degrees, i.e. 33.993867 Degrees
"S" or "N" Indicating Latitude South, below equator or North above equator
15051.8738 is Longitude in Degrees and Decimal Minutes, i.e. 150 Degrees 51.8738 Minutes
Please note that the displayed Longitude is converted to Decimal Degrees, i.e. 150.86456 Degrees
"E" or "W" Indicating Longitude East or West from Greenwich Mean, i.e the UK (England)
Ground Speed in Knots, i.e. 2.79 Knots. For KPH divide by 0.5419. So 2.79 Knots = 5.15 KPH
Heading in Degrees from True North. i.e. 347.01 Degrees from True North.
UTC Date. i.e. Greenwich Date. Days / Month / Year. 310501 = 31st May 2001
The 2 digits following the Asterisk is the Checksum. In this case 17.
OK

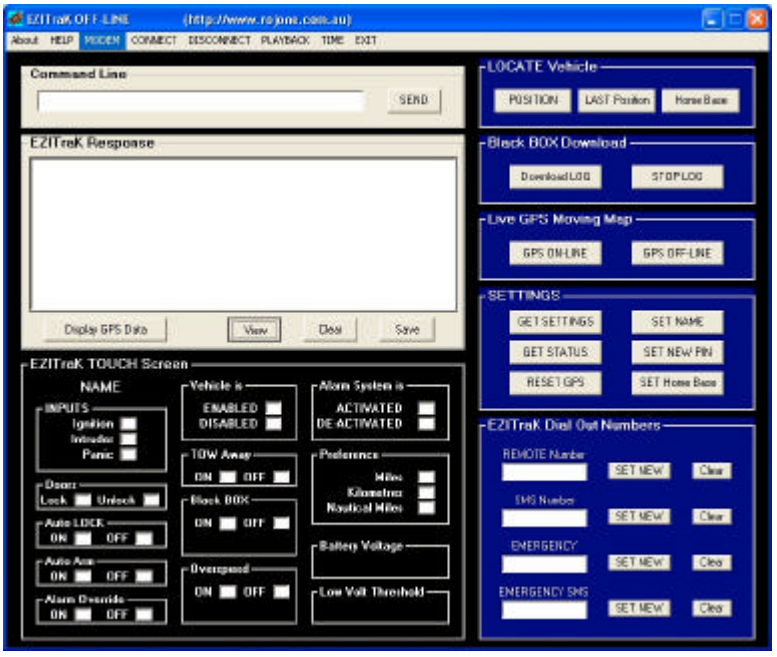
HELP



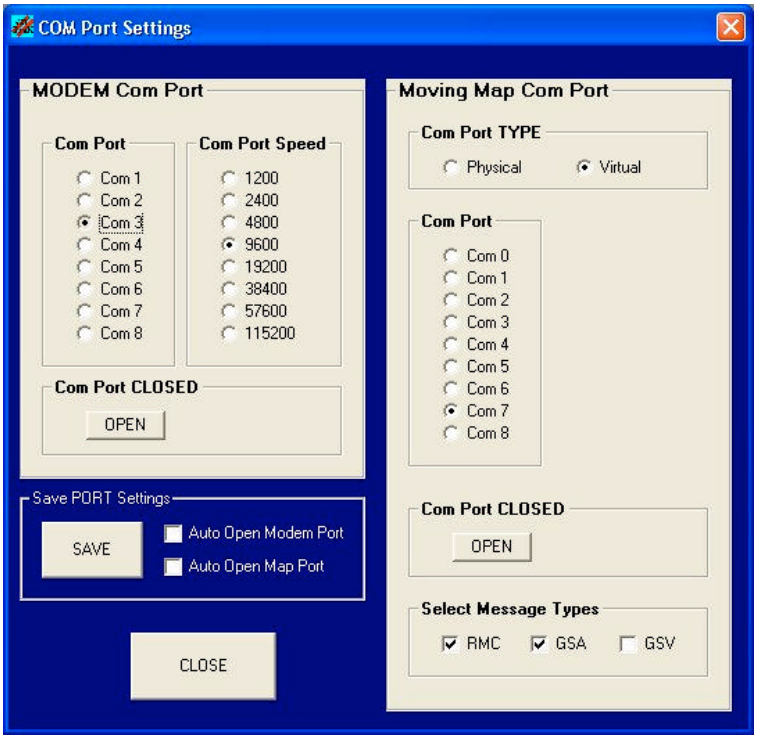
HELP Window


HELP
EziTrak™ PVM
(Personal Vehicle Monitor)
A product by ROJONE Pty Ltd
www.rojone.com.au
Abstract
The EziTrak™ ON-LINE Application program is used to remotely access your EziTrak™ Personal Vehicle Monitor using a PC and Modem running Windows
The Application allows you to easily send COMMANDS to your EziTrak™ and observe the response. These commands include ALL available control functions as well as downloading BLACK BOX Data giving Position, Speed, Heading, Time and Date every second for the last hour of your vehicles movement.
It will display ALL Settings and Status of your unit including the state of each input and output and each of the Dial Out Phone Numbers.
The Application will also provide a Real Time Display of GPS data which can be routed to an after market Electronic GPS Mapping Program using the LAPLINK Data Cable or Virtual Serial Port.
CANCEL

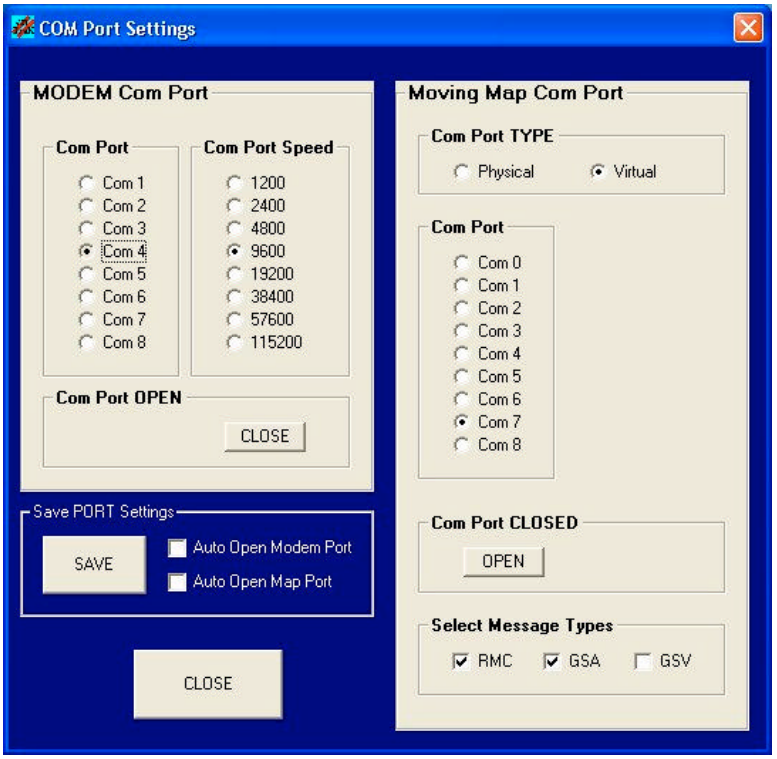
MODEM



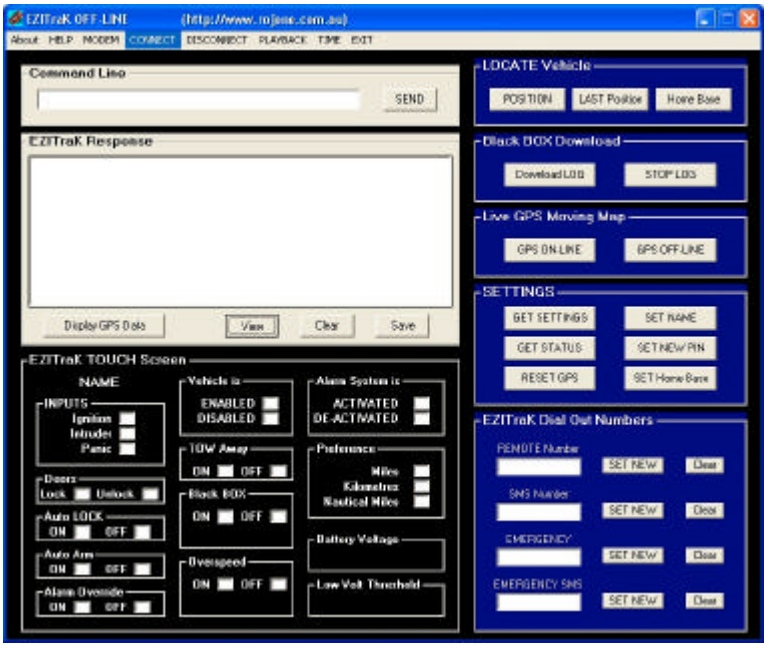
MODEM



Select a COM Port connected to your Modem and OPEN it.



CONNECT



DIAL Window

Type in your EziTraK™'s Data Phone Number, SAVE it if needed and then Press "DIAL".

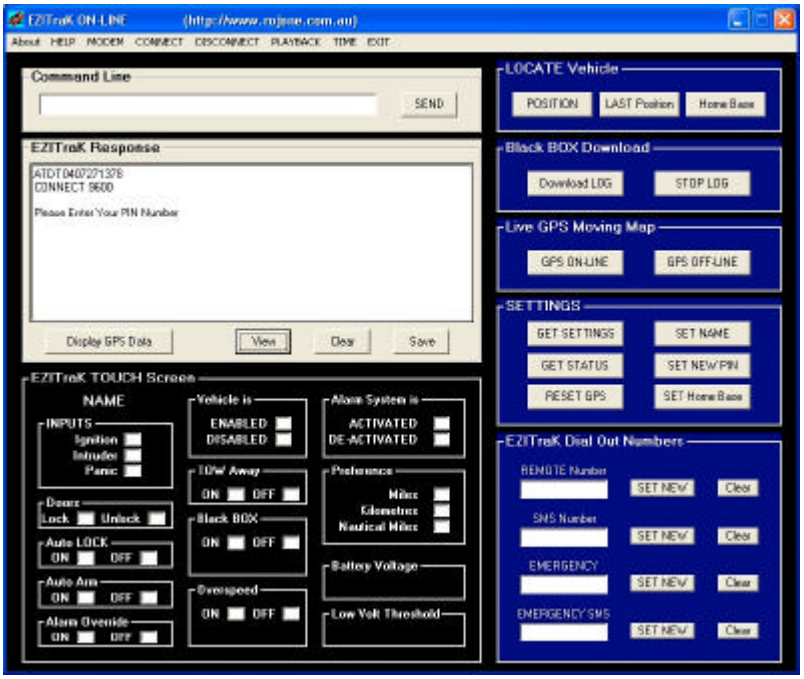
If you do NOT have a Data SIM Card in your EziTraK™ then CANCEL the DIAL Window and send your EziTraK™ an SMS message,

1234.DATA CALL.666666666

1234 is your EziTraK™ PIN Number
666666666 is your Modem's Phone Number

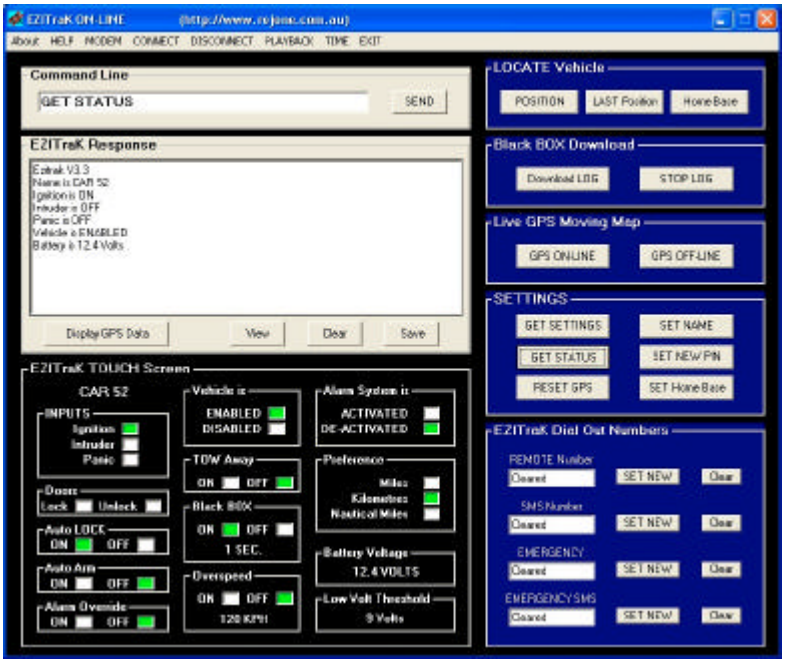
… NOW just wait for your EziTraK™ to call you.

ONLINE Window



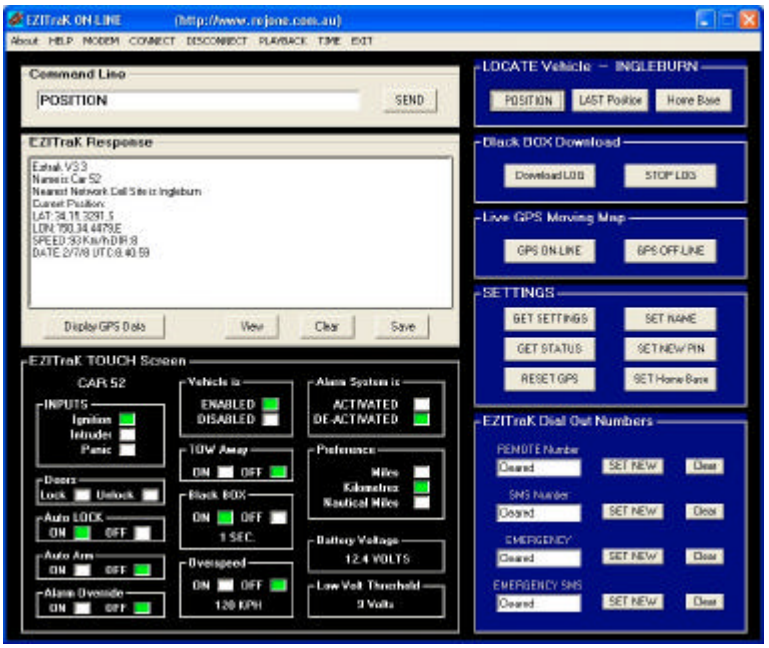
Once Connected you will have to Enter your PIN Number in the "COMMAND LINE" Box and Press the SEND Button.

If the DialBack method is used with the 1234.DATA CALL.66666666 SMS Command then NO PIN number is necessary as you enter it as part of the SMS Message.



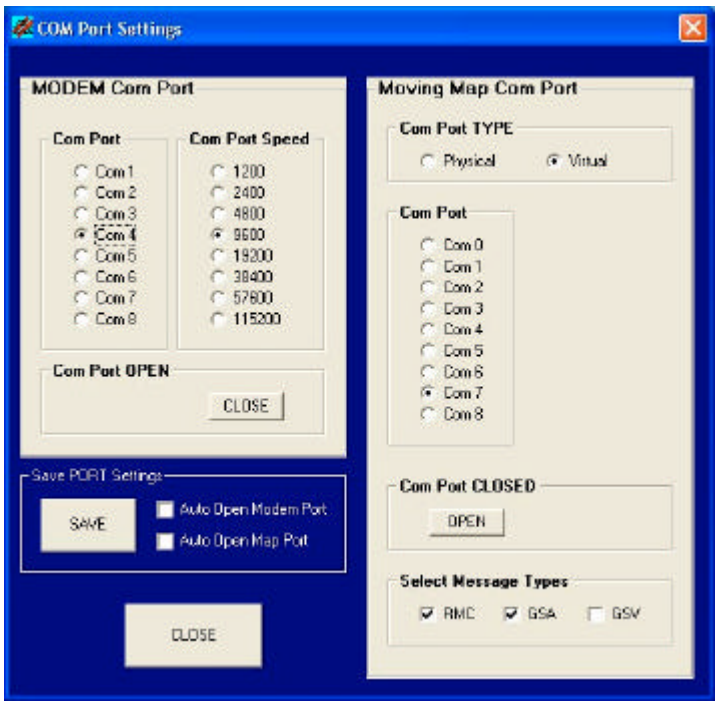
ONCE Connection is Established the Display should update showing all Settings in the Touch Screen Display Panel.

PRESS the “POSITION” Button

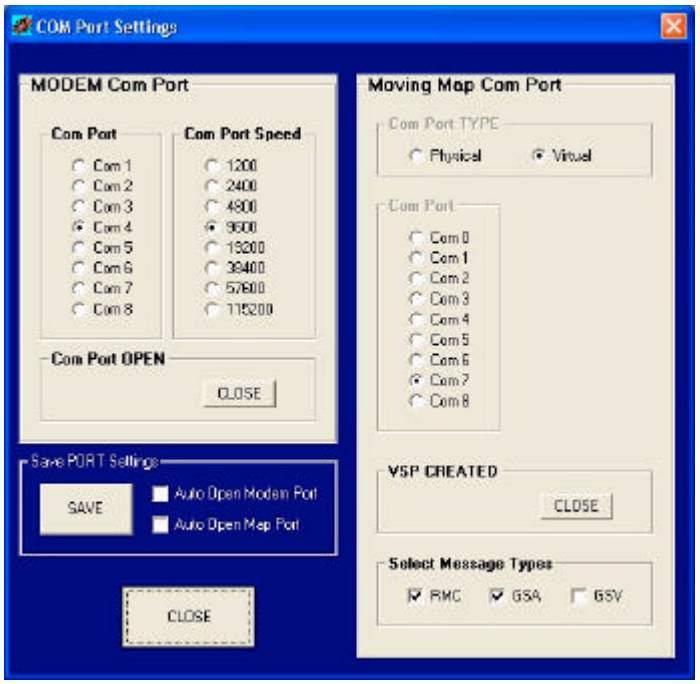


Moving MAP Display

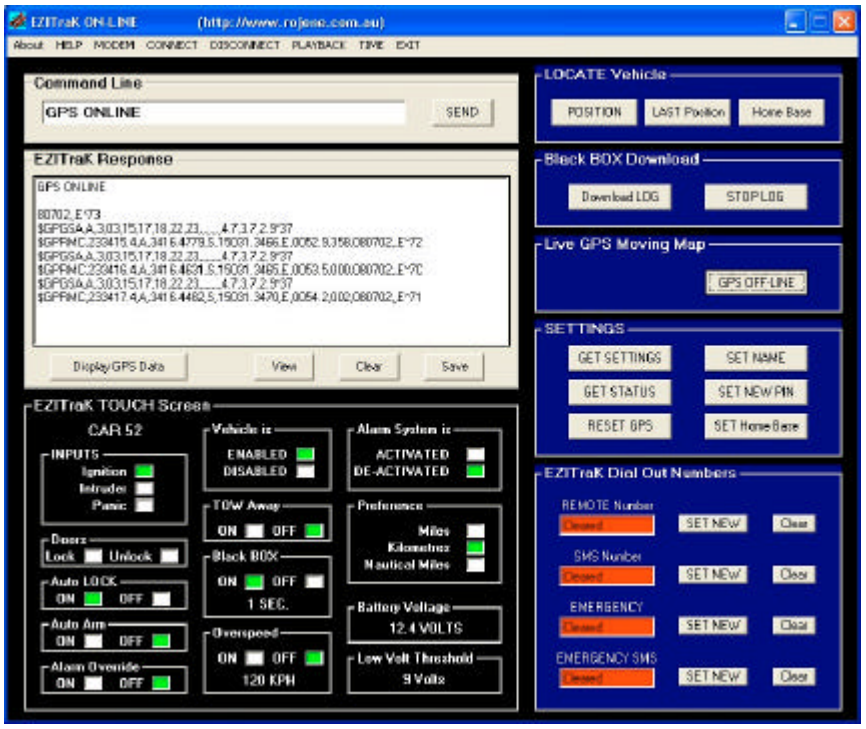
Select MODEM
Then select COM Port for Moving Map Display
Also select Virtual or Physical Port



OPEN Map Port
(This example shows opening a Virtual Serial Port)

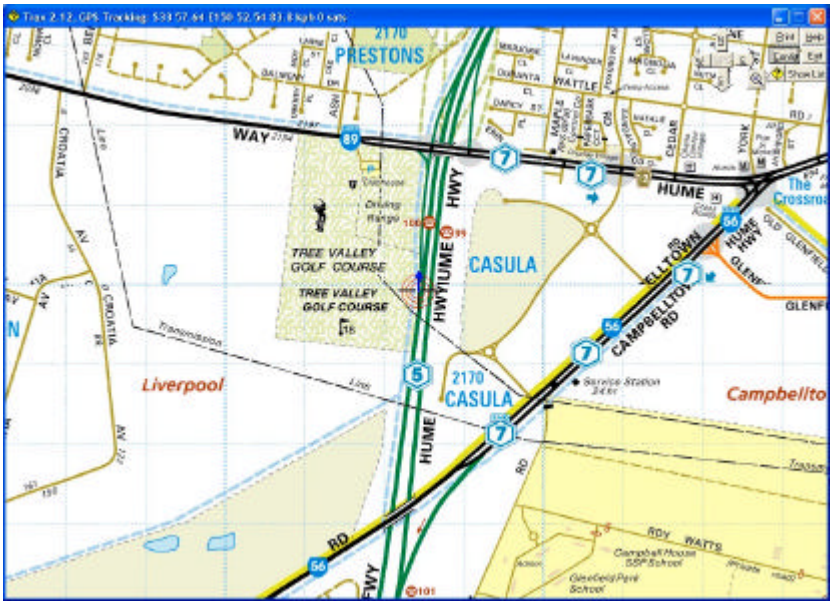


Select “GPS ONLINE” Button



GPS Data should be continually received and displayed in the EziTraK™ Response window.

RUN your GPS Mapping Program and connect it to the same Serial Port your selected for the Moving Map Display

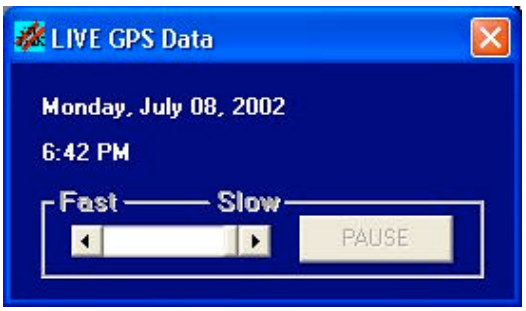


and your vehicle’s position should be displayed in real time.

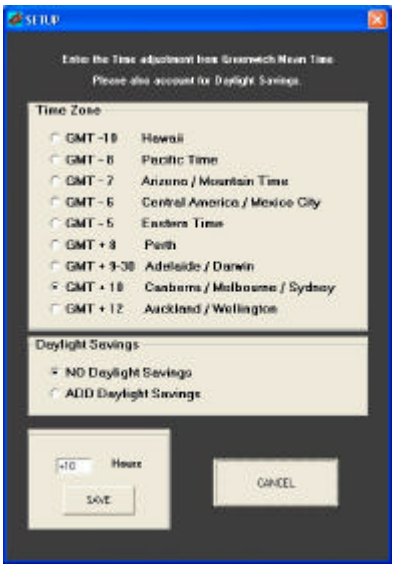
Updates are received from your EziTraK™ unit every second so if your vehicle is moving then you should see it move on the map accordingly.

NOTE : MAPPING Software is NOT included with your EziTraK™ unit. You must purchase this separately.

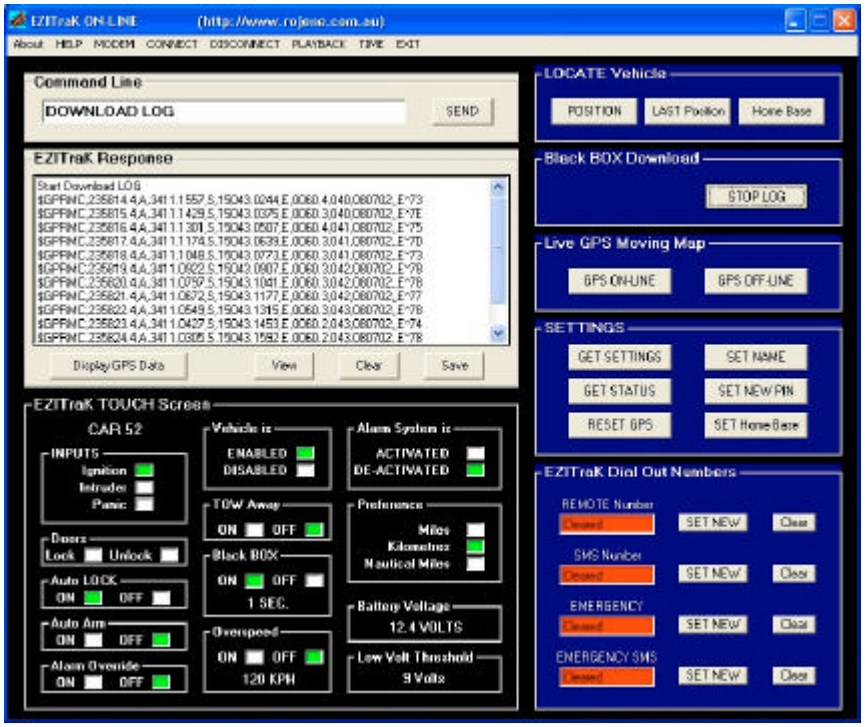
An Information window should also appear giving the current Time and Date.



If the Time is incorrect please select your TIME ZONE from the TIME Menu in the Main Window, and save it.

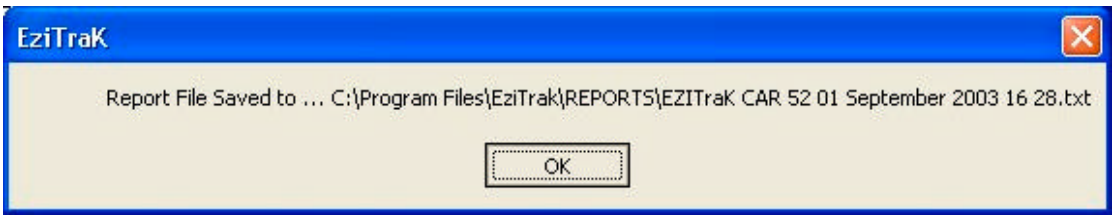


DOWNLOAD Black Box
Before doing this firstly PRESS the "GPS OFFLINE" Button to stop LIVE GPS data from being received. Then PRESS the "DOWNLOAD" Button.



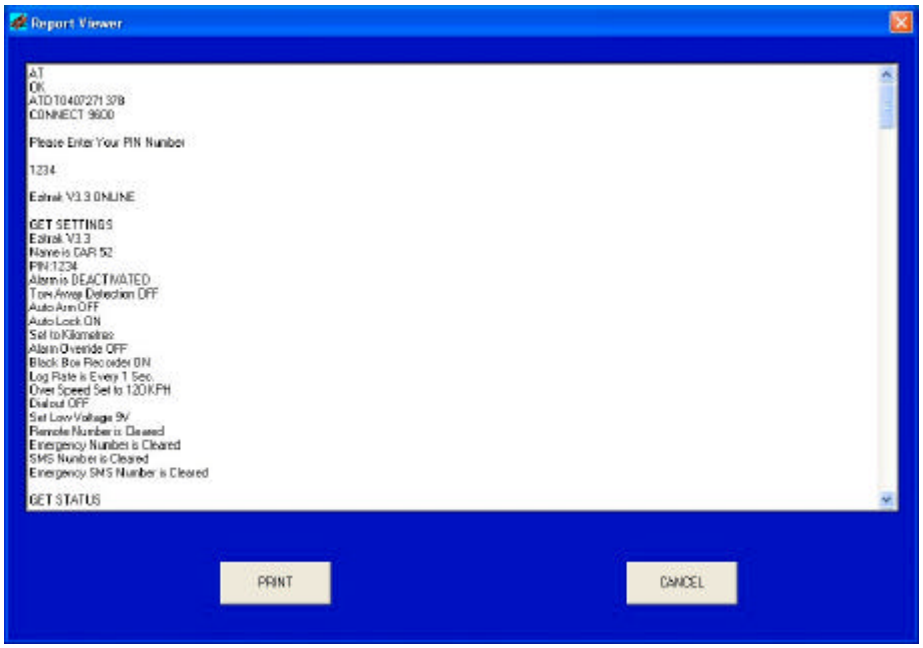
You should see GPS data being downloaded into the EziTraK™ Response window. This will take about 12 minutes to download the complete Black Box and you can STOP the download at any time by pressing the "STOP LOG" Button.

When complete simply Press the "SAVE" Button to save the file away.



The filename is added automatically so you do NOT have to enter a filename. The file is saved to the REPORT Directory with your EziTraK™ software. The filename is given a description including the Time so every minute a new filename is made available.

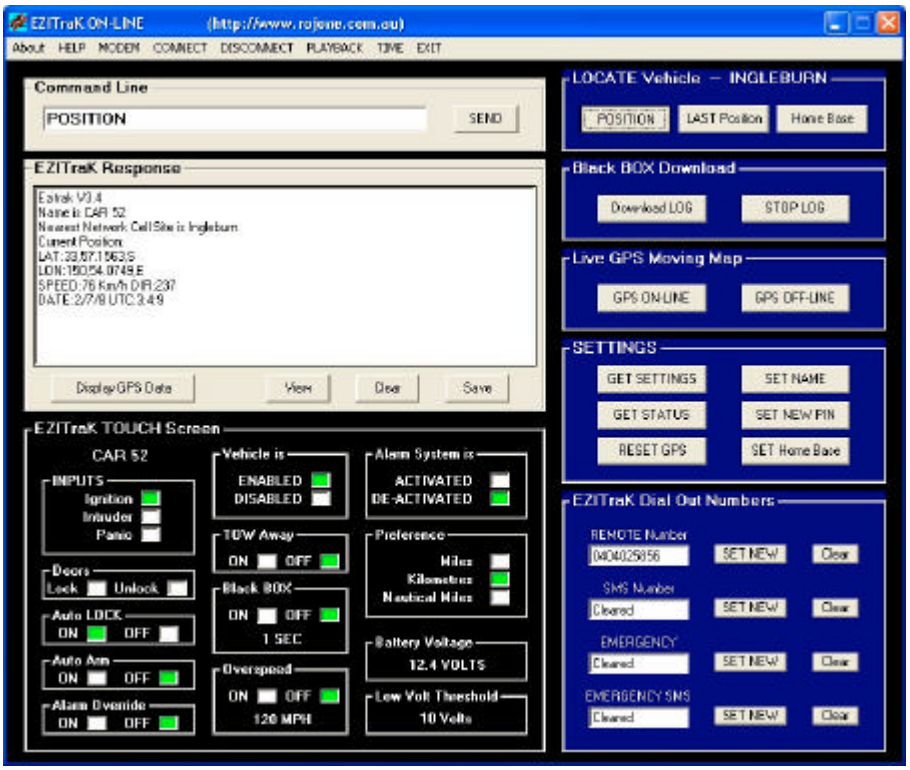
VIEW Button



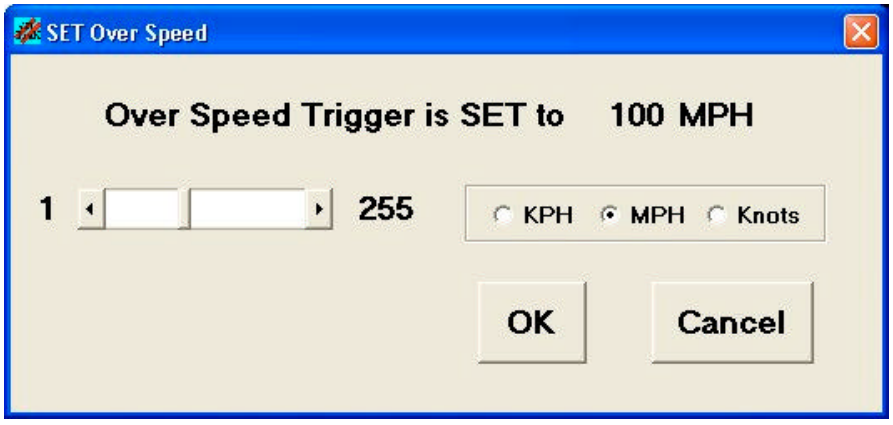
The "VIEW" Button opens a window which shows ALL the commands and responses between you and your EziTraK™ unit for that session. NOTE : When you SAVE this file you save ALL of this information including all commands and responses, the LIVE GPS Data, if selected during the session and Black Box Data if downloaded during the session.

The File SAVED is a simple TEXT file which you can Edit with any Text Editor such as Word or Notepad. You can choose to edit out and save away say only the Black Box Data if you wish.

SET OVERSPEED

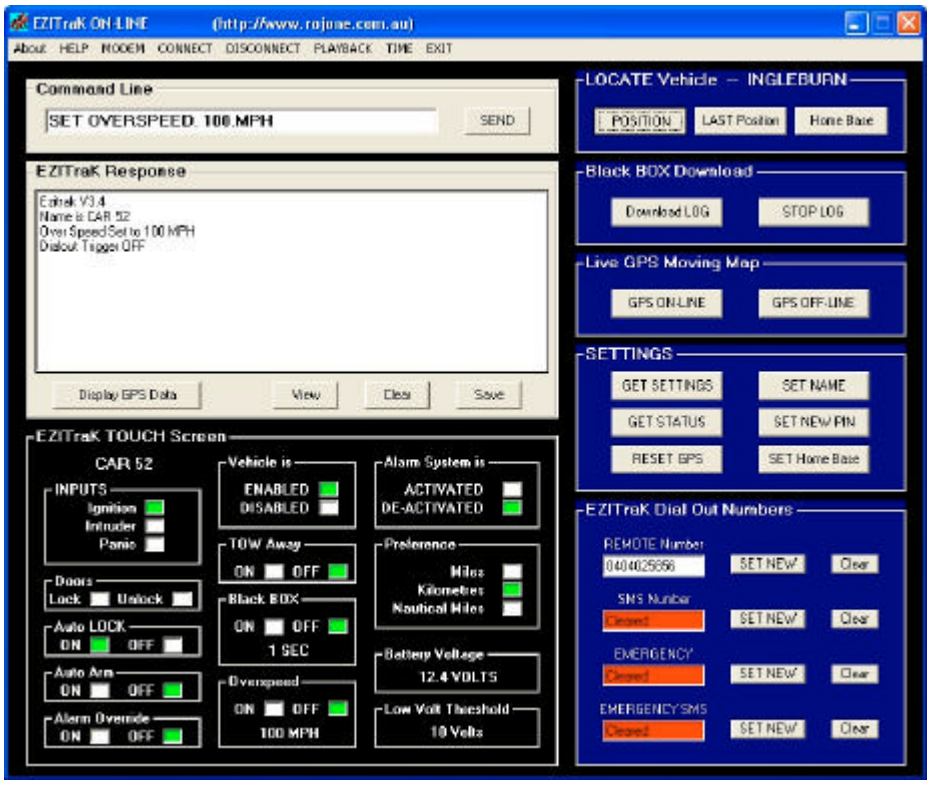


CLICK on the label that says “120 MPH” and the Overspeed window will appear.

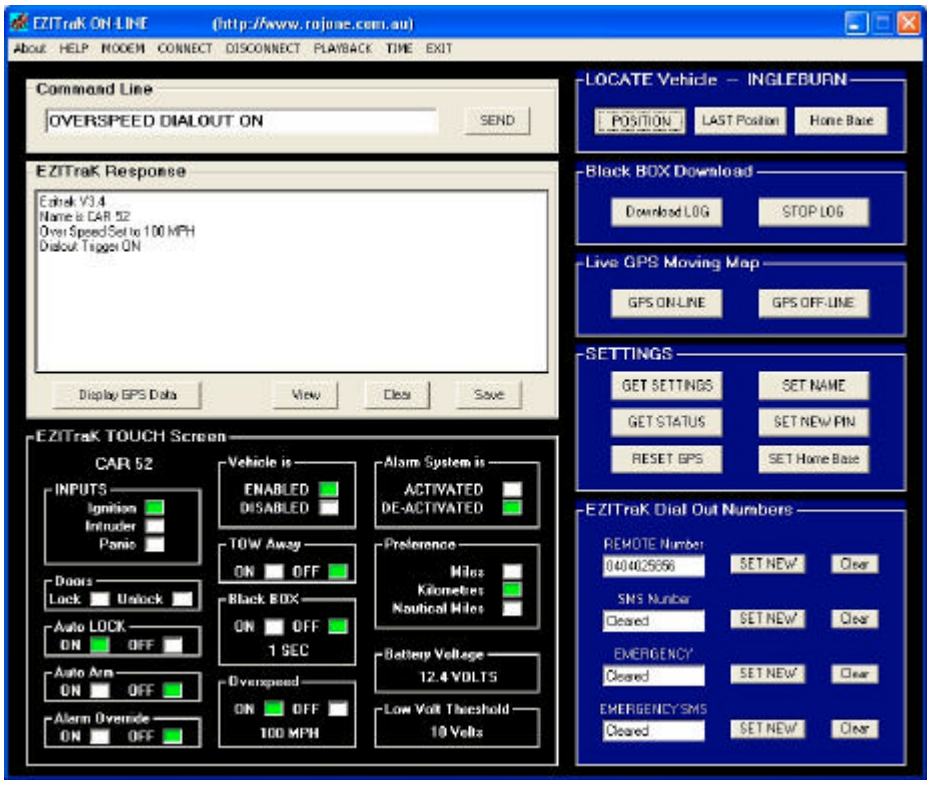


Set the Overspeed to say 100 MPH and CLICK OK.

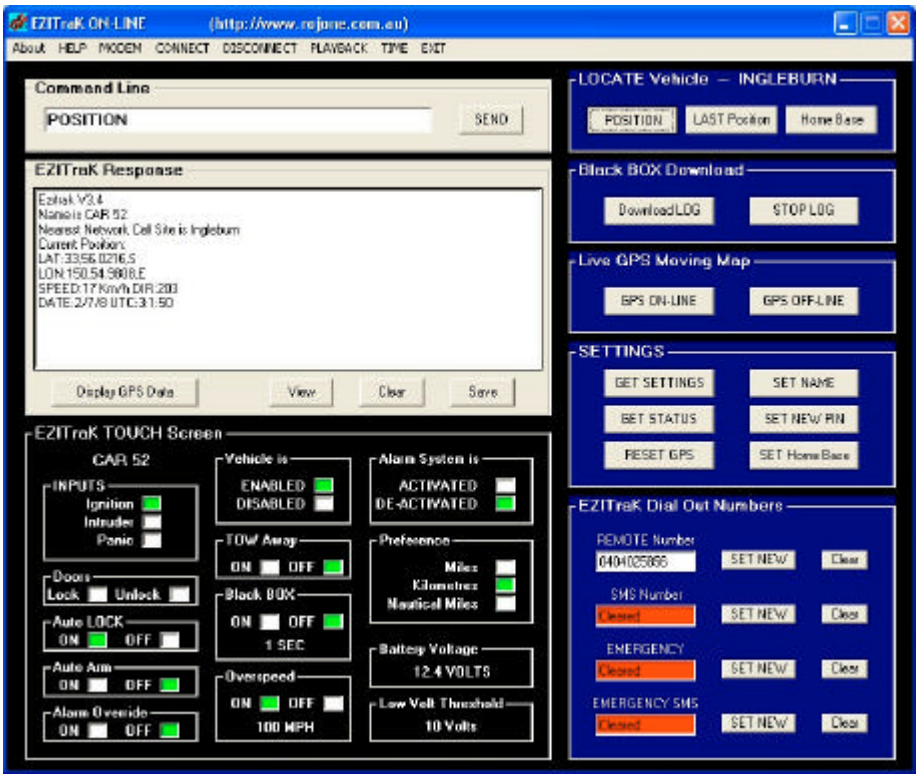
The Main Window will show the EziTraK™'s response in the response window and the Overspeed will be set to 100 MPH.



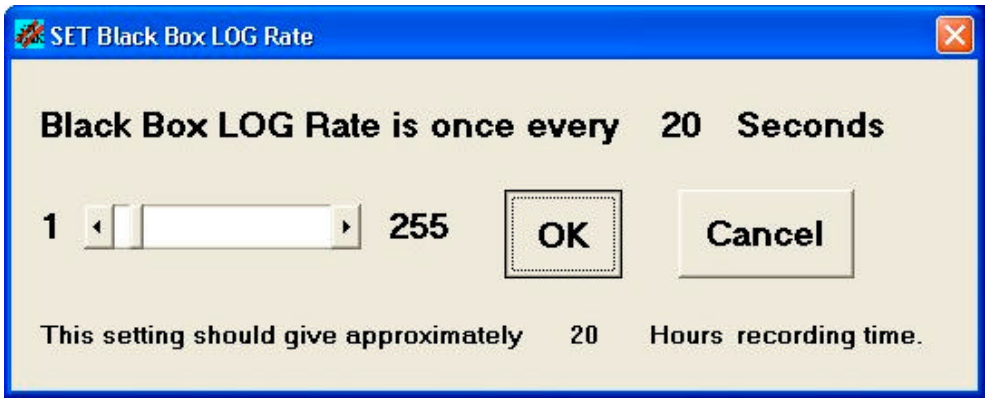
NOW CLICK the OVERSPEED "ON" Label and the Overspeed detection will be enabled.



SET Black BOX Rate

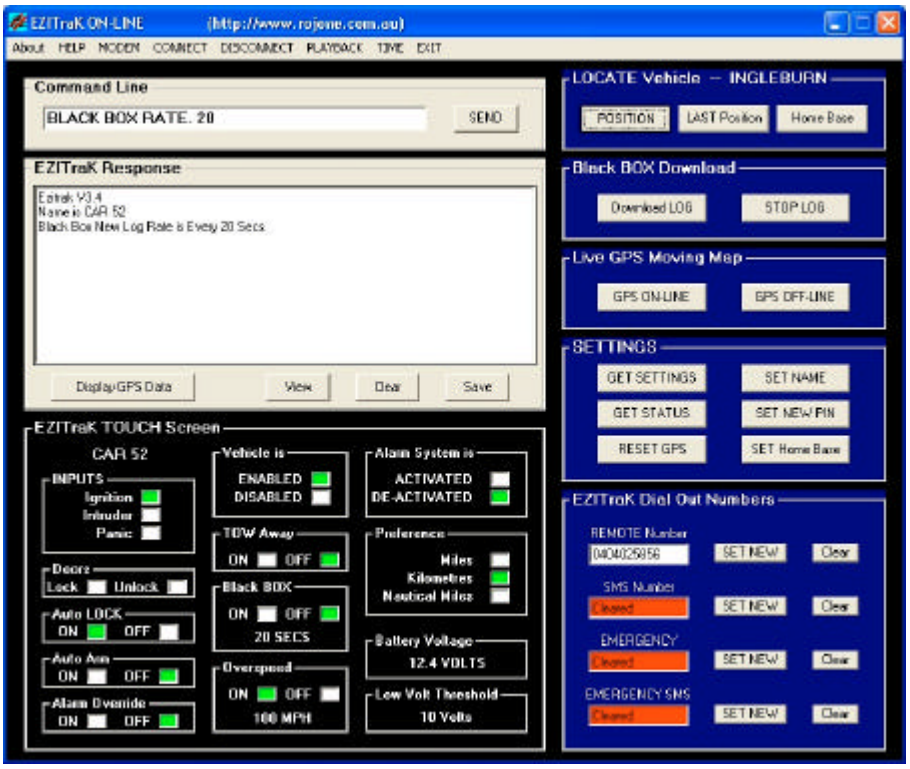


NOW CLICK the Black BOX Label “1 SEC” and the SET Black Box Rate window will appear.

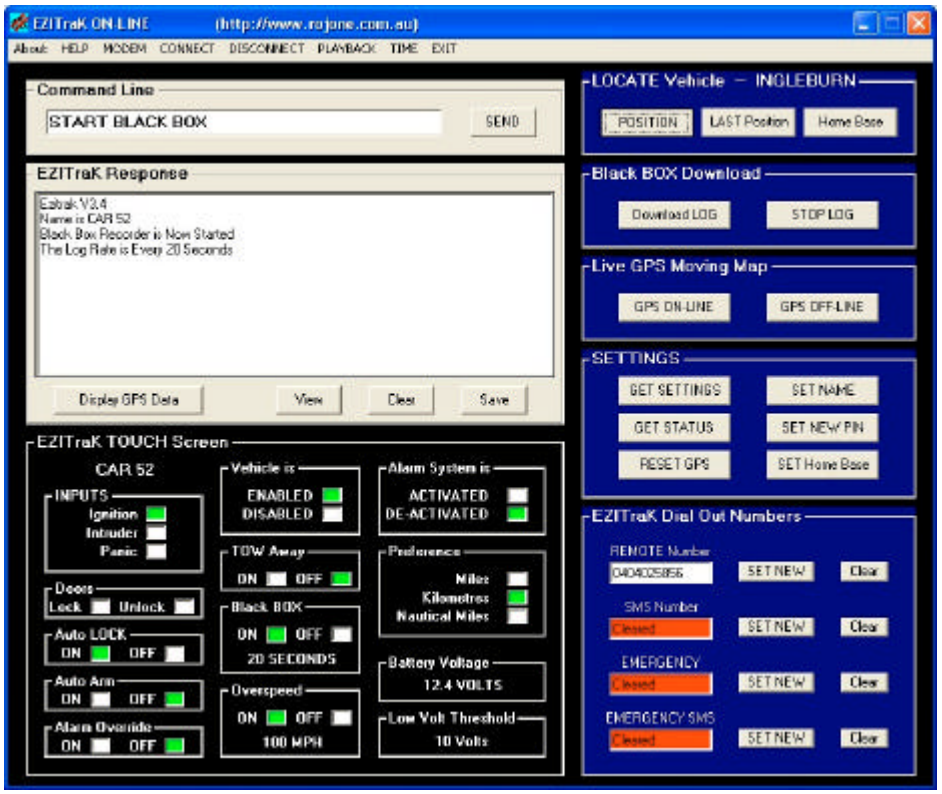


Select a NEW Black BOX LOG Rate, say 20 seconds, and CLICK OK.

The NEW Black BOX LOG Rate should show 20 Seconds.

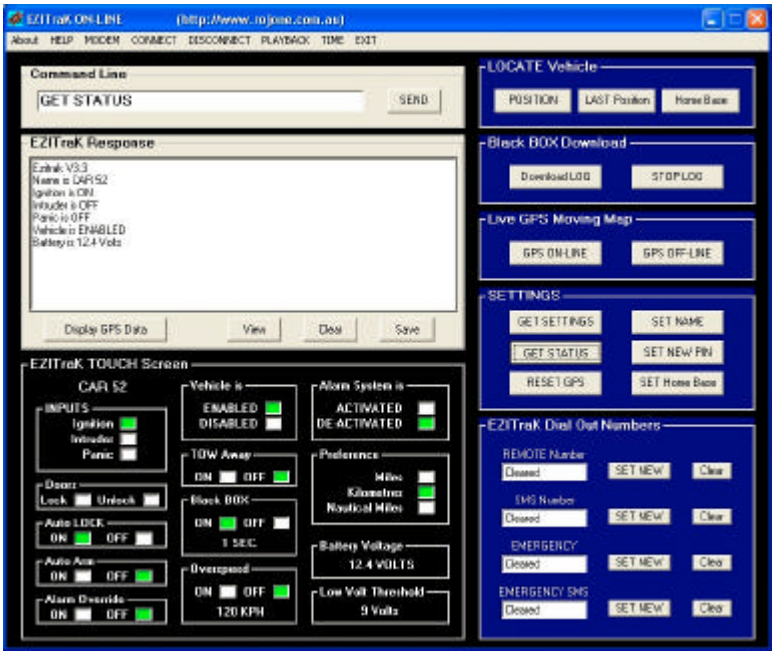


NOW CLICK the Black BOX "ON" Label and the Black BOX will be enabled.

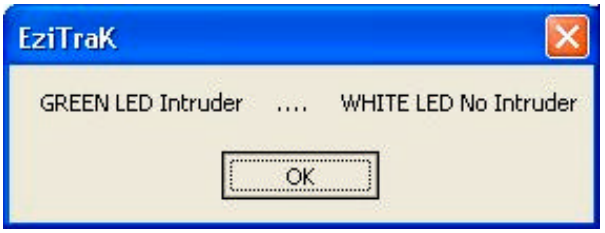


GET STATUS

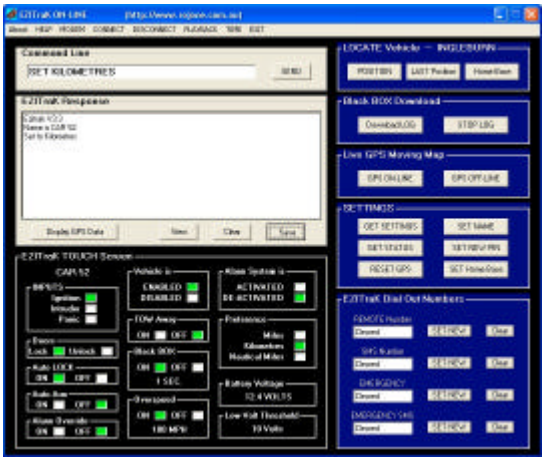
To test all inputs from your EziTraK™ unit simply CLICK on the "GET STATUS" Button and all INPUT states will be updated automatically.



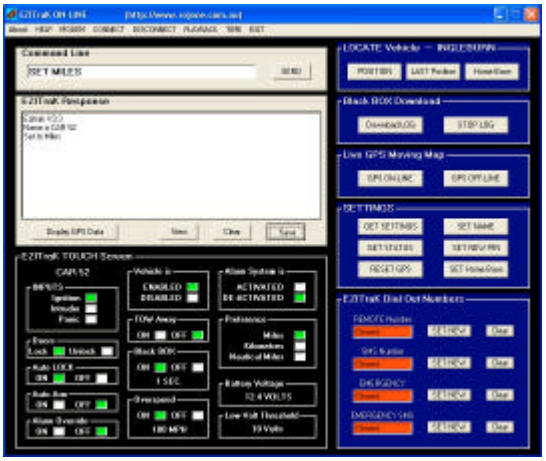
If you CLICK on any of the INPUT Labels, "Ignition, Intruder or Panic", you will see a window explaining the states of each of these inputs.



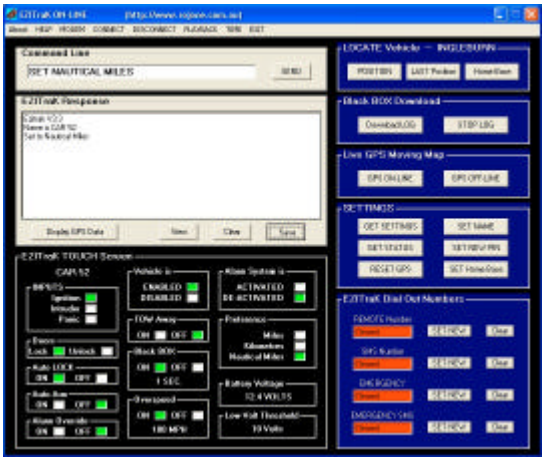
SET Kilometres … Just CLICK the “KILOMETRES” Label in the PREFERENCES Box.



SET Miles

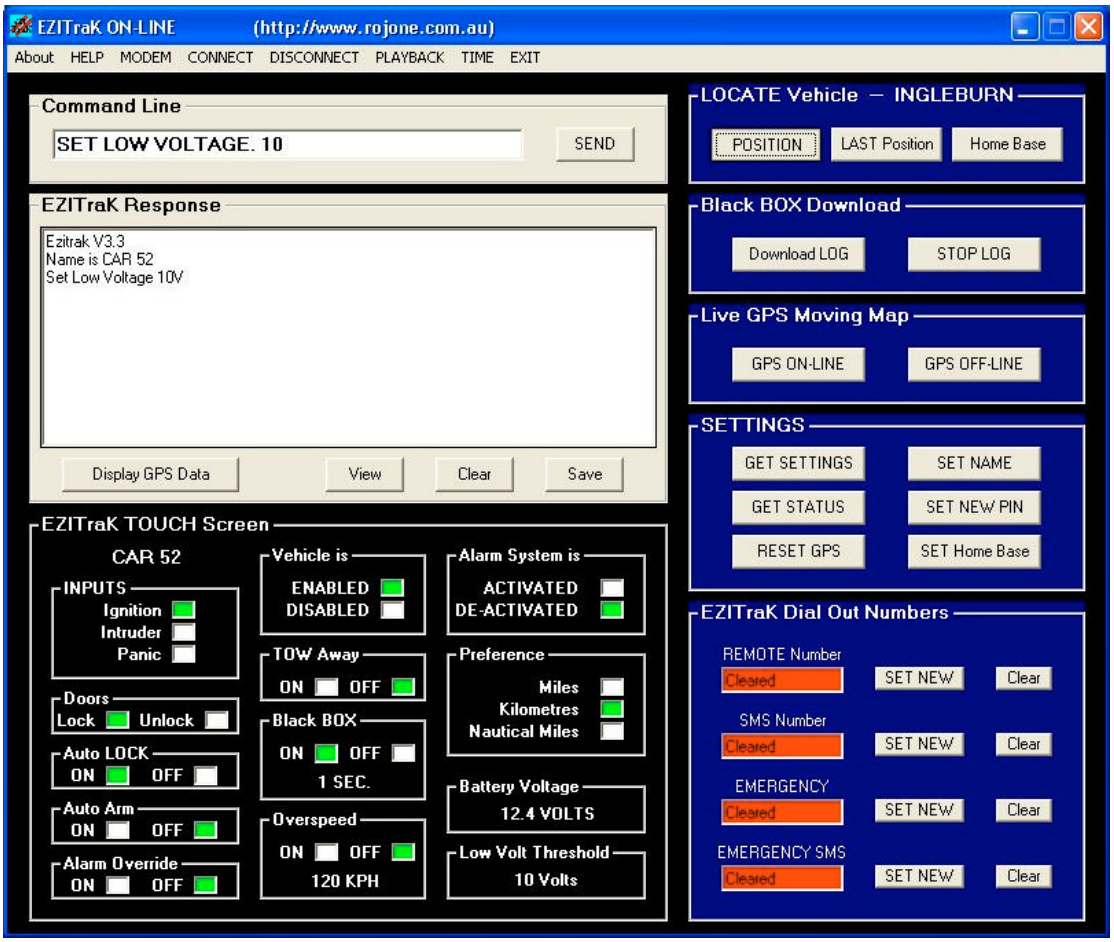


SET Nautical Miles

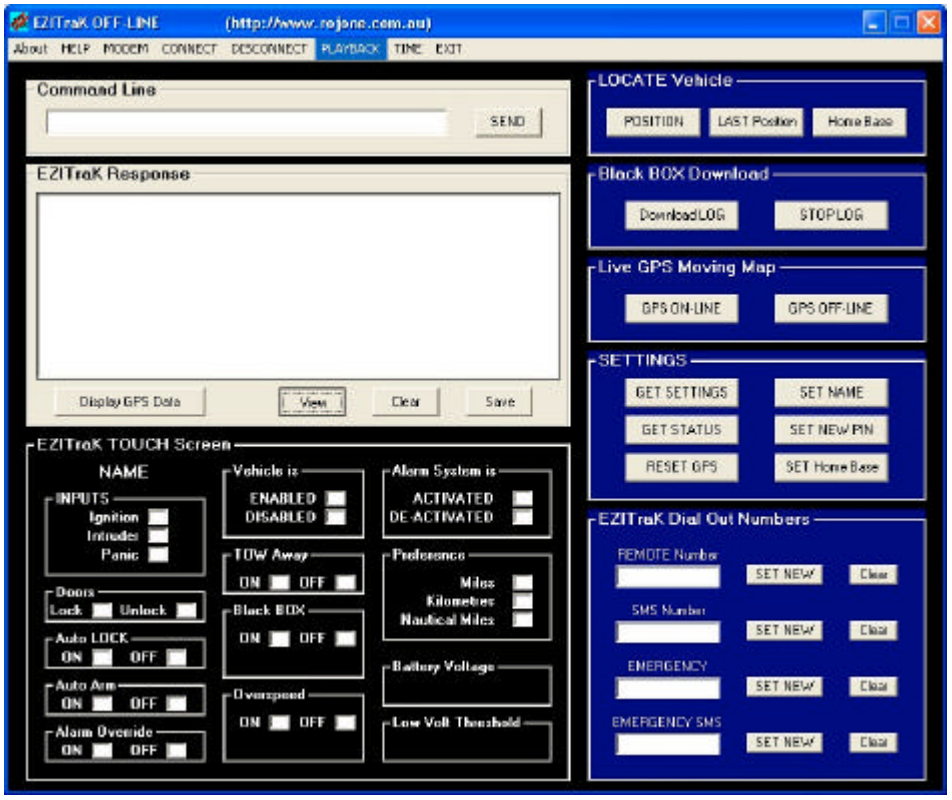


SET Low Voltage Trigger … Just CLICK the “10 Volts” Label in the LOW VOLT THRESHOLD Box.

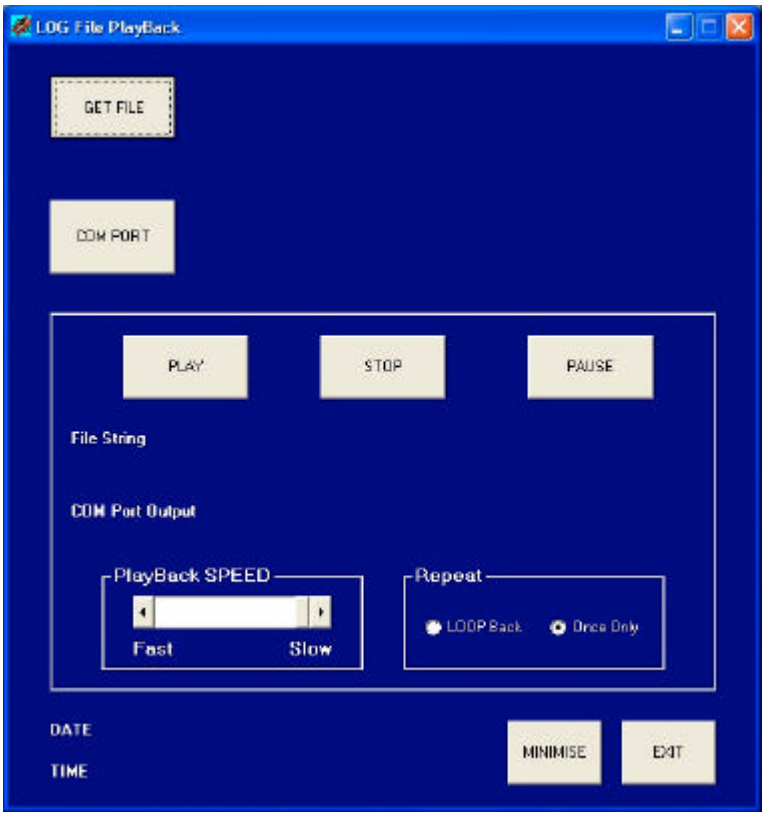
SET the Low Voltage Trigger point … Just CLICK the OK and the main window will show the unit’s response.



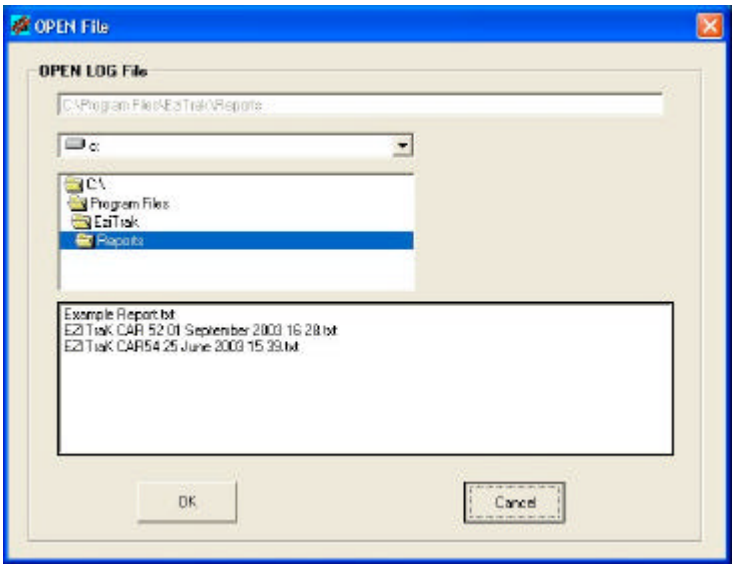
PLAYBACK downloaded LOG files.



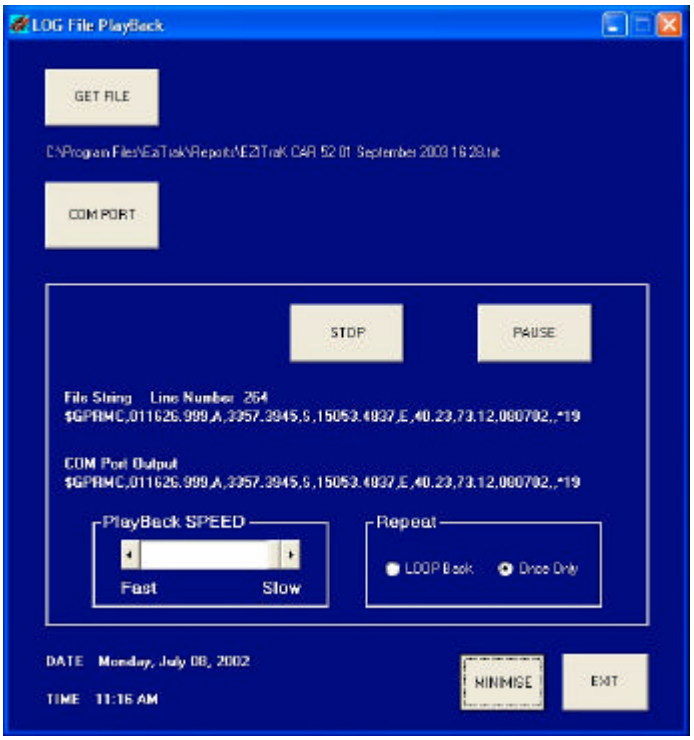
Now Press "GET FILE" Button to select a file.



Select a file from those already saved. NOTE : These saved files contain ALL session commands to and from an EziTraK™ unit. As these files are TEXT files then you can edit them using a standard windows text editor. Resave these files with ONLY the GPS LOG data or LIVE GPS data to end up with a Tracking File Only.



Press the "PLAY" Button when ready.

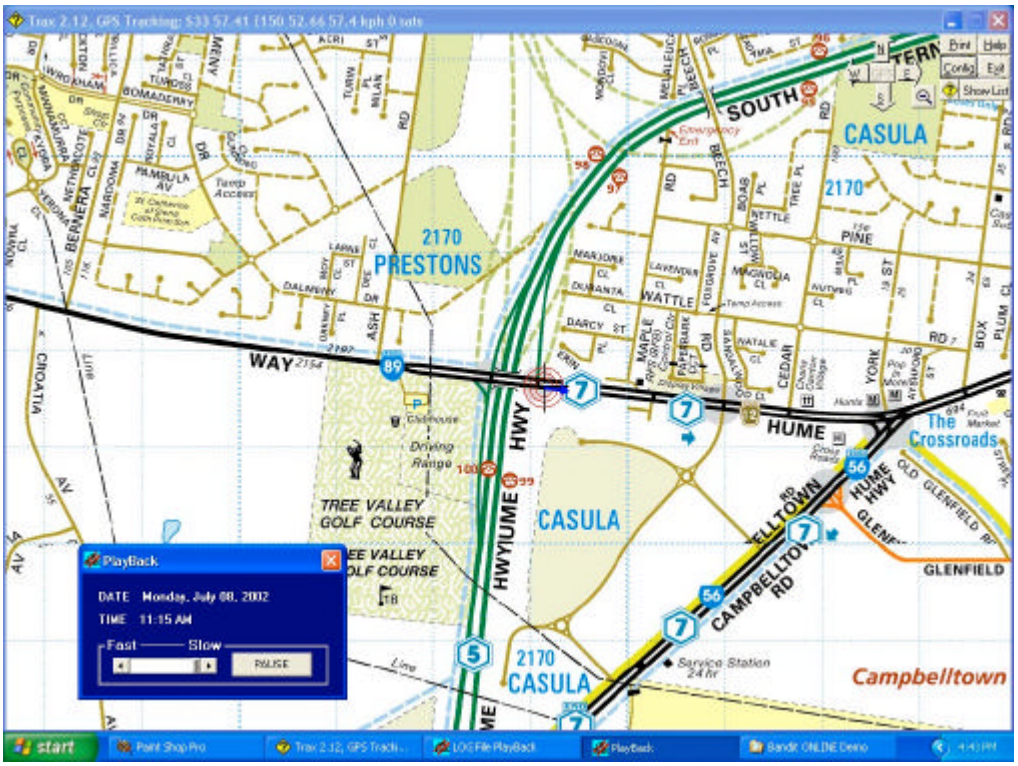


Select a Com Port to replay your file to a GPS Mapping Program, if NOT already selected.
Also select the REPEAT function either replay "Once Only" or replay the file over and over in a continuous loop.

Open your mapping program and connect it to the same Com Port.

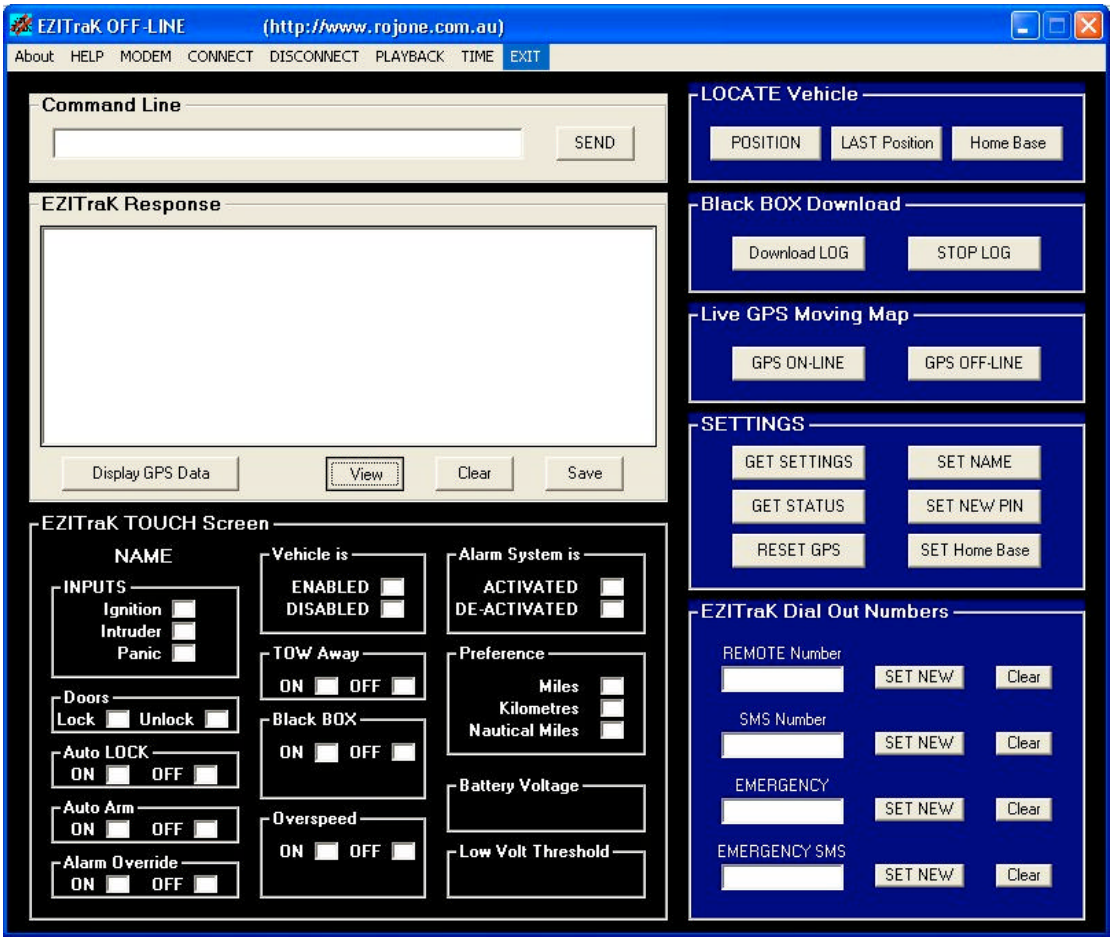
A small PLAYBACK window will also appear which will give you the Time and Date of the Tracking LOG as well as the ability to STOP and START the playback and control the Playback Speed.

Note : You may have to Maximise the small playback window so it will sit on top of your mapping program during playback.

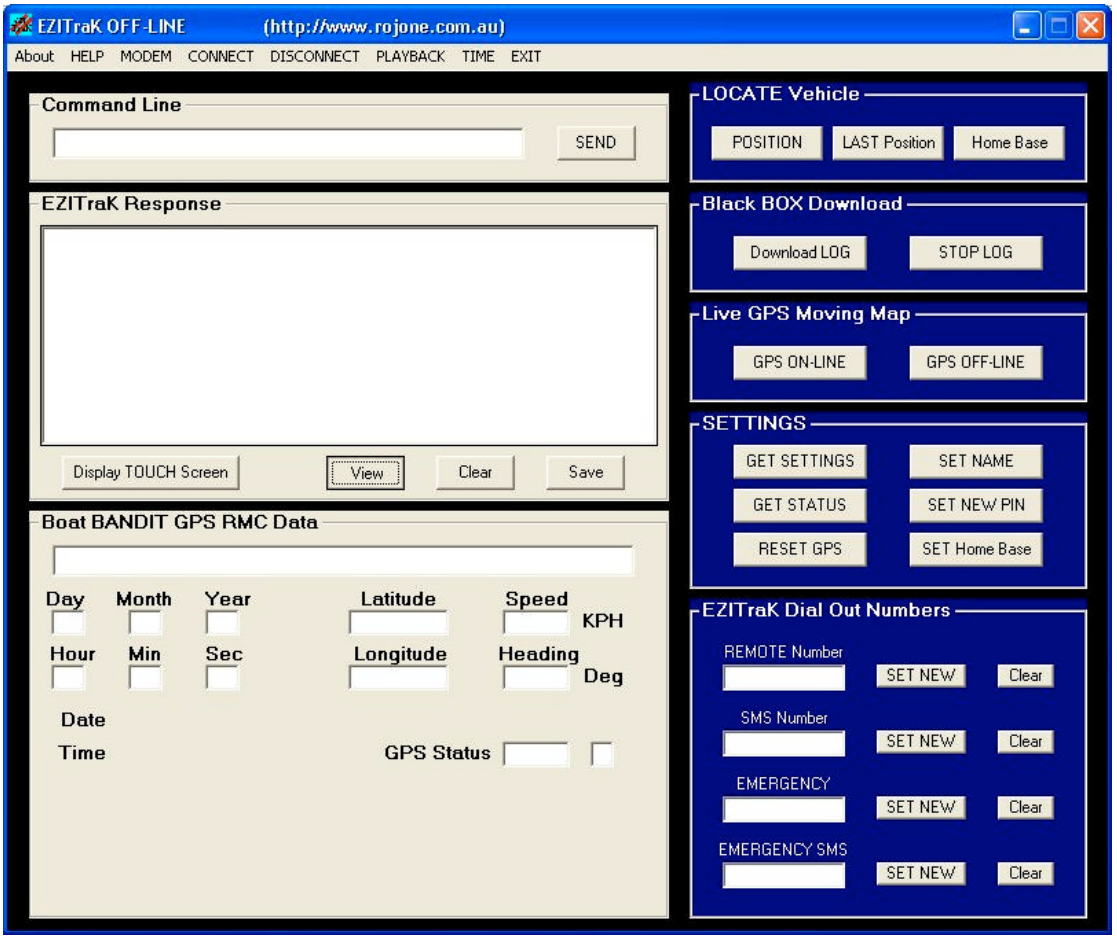

PlayBack
DATE Monday, July 08, 2002
TIME 11:15 AM
Fast
Slow
PAUSE
2170
PRESTONS
CASULA
TREE VALLEY
GOLF COURSE
HWY
HUME
The
Crossroads
GLENFIELD
CAMPBELLTOWN RD
Campbelltown
Service Station
24 hr
start

PlayBack
DATE Monday, July 08, 2002
TIME 11:16 AM
Fast
Slow
PAUSE
2170
PRESTONS
CASULA
TREE VALLEY
GOLF COURSE
HWY
HUME
The
Crossroads
GLENFIELD
SYDNEY
CAMPBELLTOWN RD
Campbelltown
Service Station
24 hr
start

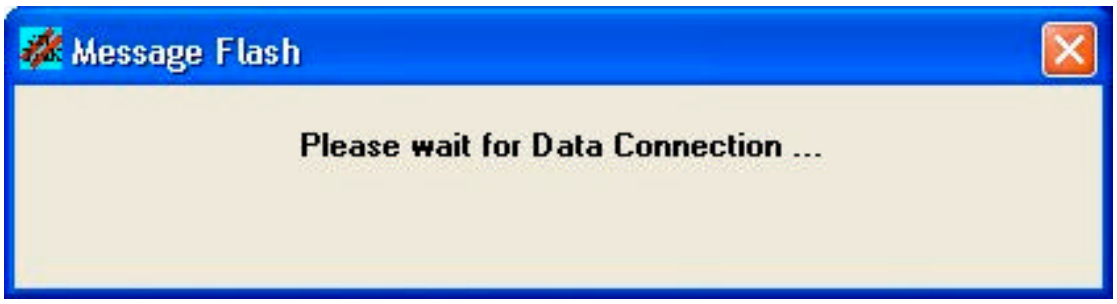
EXIT Menu, This will exit the program and shut down Com Ports when permitted.
NOTE : When a Virtual Serial Port is being used Windows will not allow a program to shut down if a VSP is still open. To close the VSP simply use the Modem Menu to access the Com Port and Close it. Alternatively simply shut down your mapping program and this should allow you to exit the EziTraK™ ONLINE Application.



To decode any GPS data simply select the “Display GPS Data” Button and the GPS window will be displayed showing Decoded GPS data.



At any time FLASH Messages will advise you of the program’s current activity.



4.0 Differences between EziTraK™, BikeBANDIT™ and BoatBANDIT™

The EziTraK™ ON-LINE Application Program is also available for other products such as the BikeBANDIT™ and BoatBANDIT™.

These units are generally very similar in operation and function and the ON-LINE Application Programs for each are also very similar except for a few differences outlined in this section below.

The EziTraK™ is a vehicle based system with the following unique features :

Controls	LOCK and UNLOCK the doors
Inputs	DOOR Switch for Intruder detection
Settings	Auto LOCK and Auto ARM

The BikeBANDIT™ is a motorcycle based system with the following unique features :

Controls	Beep the HORN and Flash the HEADLIGHT
Inputs	KICK STAND Switch for Intruder detection
Settings	Auto LOCK and Auto ARM

The BoatBANDIT ™ is a vessel based system with the following unique features :

Controls	BILGE PUMP
Inputs	FLOAT Switch Input Sensor
	General Input for Intruder detection
Settings	Auto BILGE PUMP

The ON-LINE Application Program for each product is very similar but please ensure you are using the correct product for your unit, i.e. EziTraK™, BikeBANDIT™ or BoatBANDIT™.

5.0 ON-LINE COMMAND LIST

The EziTraK™ may also be accessed ON-LINE using a PC and a modem.

To do this you simply use the EziTraK™ ON-LINE Application Program provided on a CD with your unit. The EziTraK™ ON-LINE Application Program will automatically dial your Data Call Phone Number and establish a connection with your EziTraK™. Once connected you can begin sending commands to your EziTraK™. These commands are listed below.

If you do not have a DATA Phone Number on your SIM Card you can still Track and Control your EziTraK™ simply by sending it an SMS message requesting it to call your PC and Modem. This way a data call can be established without having a data call phone number on your SIM Card. To do this simply RUN your EziTraK™ ONLINE Application and "OPEN" the selected modem port under the "Modem" menu. Then send the SMS Message Command 1234.DATA CALL.555123456 to your EziTraK™ and wait for it to call your PC. (555123456 is your PC Modem's phone number).

The ON-LINE connection is directly between your PC and your EziTraK™. There is NO Internet connection so the system is very secure. Any system which routes you through the Internet is subject to possible hacking which can lead to someone else taking control of your vehicle.

The ON-LINE connection is particularly useful if you wish to create a Real Time Moving Map display of your vehicle. If you have a standard GPS Mapping Program you can use the EziTraK™ ON-LINE application to pass the GPS data to this mapping program giving a real time moving map display of your vehicle.

The ON-LINE commands are listed below in **BOLD**. Please note that most of these commands are identical to the SMS Message Command List except for the DOWNLOAD LOG, GPS ONLINE, GPS OFFLINE and EXIT commands. Also note that as you are required to enter your PIN Number at the beginning of the session you do NOT have to add the PIN to each command when ONLINE as you do with the SMS commands.

Once you have dialed in and established a connection to your EziTraK™ it will first respond with

"Please Enter Your PIN Number "

Simply enter your PIN number in the Command Line Box and press the "SEND Button".
If the PIN was correct it will respond with

"EziTraK™ Vx.x ONLINE"

Now you can begin sending commands.

The ON-LINE Command List (shown in **BOLD**) is given below …

POSITION

LAST POSITION

HOMEBASE
SET HOMEBASE

ACTIVATE ALARM
DEACTIVATE ALARM

LOCK VEHICLE
UNLOCK VEHICLE

AUTO LOCK ON
AUTO LOCK OFF

AUTO ARM ON
AUTO ARM OFF

ENABLE VEHICLE
DISABLE VEHICLE

TOW AWAY ON (Inhibits Sleep Mode and looks for movement)
TOW AWAY OFF

SET PIN.xxxx (xxxx is Your NEW PIN Number, up to 10 digits)
SET NAME.xxxx (xxxx is Your Unit's Name, up to 10 Alphanumeric Characters)

SET MILES
SET KILOMETRES
SET NAUTICAL MILES

SET OVERSPEED.XXX .KNOTS (xxx is the Overspeed Trigger Point)
(MPH or KPH or KNOTS)

(Overspeed setting 0 to 255 KPH, Overspeed trigger OFF if xxx = 0.)
(Overspeed setting 0 to 255 MPH, Overspeed trigger OFF if xxx = 0.)
(Overspeed setting 0 to 255 Knots, Overspeed trigger OFF if xxx = 0.)

This command sets the Overspeed Trigger point. Note setting the Trigger point to zero disables the Overspeed detection altogether.

OVERSPEED DIALOUT ON
OVERSPEED DIALOUT OFF

ALARM OVERRIDE ON
ALARM OVERRIDE OFF

SET LOW VOLTAGE.xx (xx is the Low Voltage Threshold, 1 to 30 Volts)

GET SETTINGS (This command returns all current settings of your EziTraK™)

GET STATUS (This returns the state of all Inputs and Outputs)

REMOTE NUMBER.xxxx	(xxxx is the NEW Remote Phone Number)
CLEAR REMOTE NUMBER	(Inhibits Voice Call Dial Out for an Intruder)
SMS NUMBER.xxxx	(xxxx is the SMS Phone Number)
CLEAR SMS NUMBER	(Inhibits sending SMS for an Intruder)
EMERGENCY NUMBER.xxxx	(xxxx is the Emergency Phone Number**)**
CLEAR EMERGENCY NUMBER	(Inhibits Voice Call Dial Out for an Emergency)
EMERGENCY SMS NUMBER.xxxx	(xxxx is the Emergency SMS Phone Number)
CLEAR EMERGENCY SMS NUMBER	(Inhibits sending SMS for an Emergency)

(WARNING : Your EziTraK will NOT Dial Out if Phone Numbers are Cleared)

START BLACK BOX	(This command STARTS the Black Box Recording)
STOP BLACK BOX	(This command STOPS the Black Box Recording)
BLACK BOX RATE.XX	(XX is the Black Box Recording rate in seconds, 1 to 255)
DOWNLOAD LOG	(This command is used to Download the Black Box contents)
STOP DOWNLOAD	(This command Halts the Download)
RESET GPS	(Used to manually reset the GPS Receiver.)
GPS ONLINE	(This command is used to turn ON the GPS RMC Strings)
GPS OFFLINE	(This command is used to turn OFF the GPS RMC Strings)
EXIT	(This command is used to END the ON-LINE connection)

The GPS ONLINE command is used to continuously output the GPS RMC strings to the PC. The RMC strings are sent once per second and they contain all the data necessary for a GPS Mapping program to provide a visual location on an electronic map. When using this command the PC will receive a new position every second via its Serial COM Port. This data can be physically routed to either another PC and COM Port or simply to the same PC with a second serial COM Port which is used as the data input port for the Mapping Program.

Once your EziTraK™ is sending its GPS data the EziTraK™ ON-LINE PC Application program can send this GPS data to one of your PC's Serial Com Ports. A Serial 9 Pin LAPLINK Cable can be used to interconnect 2 Serial Com Ports with one another. The second COM Port should be used by your Electronic GPS Mapping program to receive the GPS data and display it in your PC screen.

Later versions of the EziTraK™ ON-LINE PC Application have a VIRTUAL Serial Com Port allowing you to pass the GPS data to your mapping program without a cable. The data is passed internally within your PC.

Please note that if you have 2 computers, one for your Modem and one for your Electronic Mapping Program then you will still require a Laplink cable to interconnect the 2 PC's to provide a moving map display. Just select Laplink Cable Option rather than the Virtual Serial Port Option within the EziTraK™ ON-LINE PC Application.

DISCLAIMER - PLEASE READ CAREFULLY

This manual is provided as a guide to the typical use of the EziTraK™ . The EziTraK™ accuracy and intercept can be affected by many factors including environmental conditions, general poor signal strength, equipment failure, defects and improper handling / use. It is the user's responsibility to exercise common prudence and judgement. This device should in no way be relied upon as a substitute for such prudence and judgment. Your EziTraK™ is also subject to the coverage of your own Network Service Provider.

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Rojone reserves the right to make design changes to any Rojone product without incurring any obligation to make the same changes to previously purchased units.

This product is designed and manufactured in Australia.

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WARRANTY

Your EziTrak™ is warranted for a period of 12 months against defects in material & workmanship's EFFECTIVE FROM DATE OF PURCHASE.
Please complete the enclosed warranty card to secure your Guarantee and kindly retain your Purchase receipt as proof of purchase, which must be presented if making a claim under the terms of the Rojone Guarantee.

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These options are as follows:

(i) The replacement of the goods
(ii) The repair of goods
(iii) The payment of the cost of replacing the goods.
(iv) The payment of the cost of having the goods repaired.

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